



September 27, 2004

MAIL STOP PCT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/IB2003/001080
-filed March 24, 2003

Re: Application of **Alessandro TREDICUCCI, Fabio BELTRAM, Harvey Edward BEERE, Alexander Giles DAVIES, Ruedeger KOEHLER and Edmund Harold LINFIELD**

THz SEMICONDUCTOR LASER INCORPORATING A CONTROLLED PLASMON CONFINEMENT WAVEGUIDE

Assignee: **INFN ISTITUTO NAZIONALE PER LA FISICA DELLA MATERIA**

Our Ref: **Q83897**

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the International Application as originally filed.
- ☒ 5 sheets of drawings as originally filed.
- ☒ a PTO/SB/08 A & B (modified) only listing the ISR/IPER references.
- ☒ a Preliminary Amendment.
- ☒ **it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)**

A copy of the Declaration and Power of Attorney and a copy of the executed Assignment will be submitted at a later date.

It is assumed that copies of the International Application as filed, the International Search Report and complete copies of the references cited therein, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

Applicant claims benefit of small entity status in accordance with 37 CFR § 1.27.



Sughrue

SUGHRUE MION, PLLC

Entering National Stage of PCT/IB2003/001080

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10/508996
DT04 Rec'd PCT/PTO 27 SEP 2004

The Government filing fee is calculated as follows (**Small Entity fees apply**):

Total claims	<u>13</u>	-	20	=	<u>0</u>	x	\$9.00	=	<u>\$0.00</u>
Independent claims	<u>1</u>	-	3	=	<u>0</u>	x	\$43.00	=	<u>\$0.00</u>
Base Fee									<u>\$460.00</u>

TOTAL FEE									<u>\$460.00</u>
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A check for the statutory small entity filing fee of \$460.00 is attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

Country

ITALY

Application No

TO2002A000274

Filing Date

March 27, 2002

Respectfully submitted,

Robert V. Sloan

Registration No. 22,775

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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: September 27, 2004